

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008592**Date Inspected:** 12-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:** Lv Li Qing / Shen Fu You**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Tim McClendon was present during the time noted above for observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

OBG Bay No. 19

The QA inspector performed Magnetic Particle (MT) of suspender brackets SB005-030 green tag # 5468, SB003-030 green tag # 5466, SB005-032 green tag # 5467. The green tags issued were ABF green tags.

OBG Bay No. 14

Flux Cored Arc Welding (FCAW) of SEG 44E weld numbers 163, 036, 045 for Segment 8AE. The ZPMC welder identified as 06683 was welding in the 3G position. The ZPMC QC identified as Guo Xing Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2233-Tc-U-4b-F.

Shielded Metal Arc Welding (SMAW) of SEG 044E weld numbers 033, 042, 163, 151 for Segment 8AE. The ZPMC welder identified as 044779 was welding in the 3G position. The ZPMC QC identified as Guo Xing Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2233-Tc-U-4b-FCM.

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## WELDING INSPECTION REPORT

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Flux Cored Arc Welding (FCAW) of SEG 44E weld numbers 163, 036, 045 for Segment 8AE. The ZPMC welder identified as 06683 was welding in the 3G position. The ZPMC QC identified as Guo Xing Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2233-Tc-U-4b-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations spoken on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (15000422372), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	McClendon,Timothy	Quality Assurance Inspector
<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer

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